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# ESTERO BLITZ FOR PASIG RIVER CLEAN-UP DRIVE



## Metropolitan Manila Development Authority

USEC. CORAZON T. JIMENEZ  
General Manager

**PANDAY PALTOK RIVER,  
PATEROS**



**PATEROS RIVER**



**MAHABANG ILOG CREEK,  
PASIG CITY**

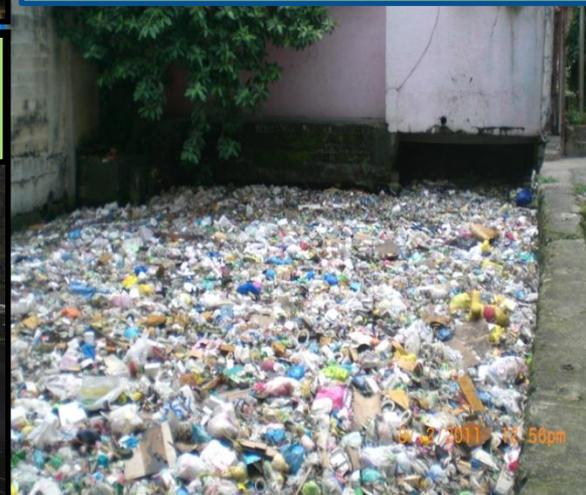


# Drainage system in Metro Manila

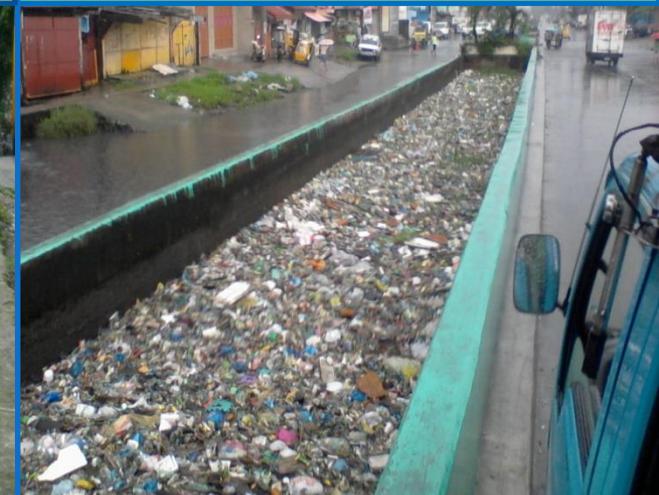


- 897 km. drainage laterals
- 59 km. drainage mains and interceptors
- 659 km. esteros/creeks and rivers

**ESTERO DE KABULUSAN,  
TONDO, MANILA**



**LAPU-LAPU AVENUE SPINE,  
MALABON CITY**



# MMDA INITIATIVE ON THE REHABILITATION OF PASIG RIVER AND TRIBUTARIES



## ESTERO BLITZ

## I & II



# OBJECTIVES OF Estero Blitz

- **Intensified cleanup operations** of major esteros, creeks, and rivers in Metro Manila
  - Supreme court order to clean up waterways leading to Manila Bay
- **Communities' involvement**
  - dredging, removal and hauling of garbage, spoils, slits and other debris along waterways
- **Conduct medical missions and teach-ins/seminars on solid waste management, health and sanitation promotion in the barangays**



# ESTERO BLITZ I

## Massive Clean Up/ Dredging of Waterways

### BRGY. TONSUYA, MALABON CITY



REMOVAL/HAULING / DISPOSAL OF GARBAGE & WATER LILIES

### ESTERO TRIPA DE GALLINA, ARELLANO AVENUE, SAN ANDRES, MANILA



DREDGING & DISPOSAL OF SPOILS

### ESTERO DE QUIAPO, ARLEGUI ST, QUIAPO, MANILA



REMOVAL & DISPOSAL OF GARBAGE



# Accomplishments – Estero Blitz I

VOLUME OF SILTS/GARBAGE COLLECTED/DISPOSED  
AUGUST 8-SEPTEMBER 8, 2011

DATE	NO. OF LGU	NO.OF WATERWAY	NO. OF TRUCKLOAD	VOLUME
AUGUST 8-17	7	18	388	2,466
AUGUST 18-31	8	17	464	2,958
SEPT. 1-8	4	10	298	1,959
TOTAL		45	1,150	7,383

SUMMARY OF TEACH-IN SEMINAR  
AUGUST 8- SEPTEMBER 8, 2011

DATE	NO. OF LGU	NO. OF BRGY.	NO. OF PARTICIPANTS	
			ADULTS	CHILDREN
SUB TOTAL			4,027	3,605
TOTAL		71	7,632	

# ESTERO BLITZ I

## Community Teach-In Seminar



**August Estero Blitz**  
Teach-in Seminar  
August 8, 2011



**Brgy. 137 Zone 15, Pasay City**  
**63 participants**



**SOLID WASTE MANAGEMENT OFFICE**

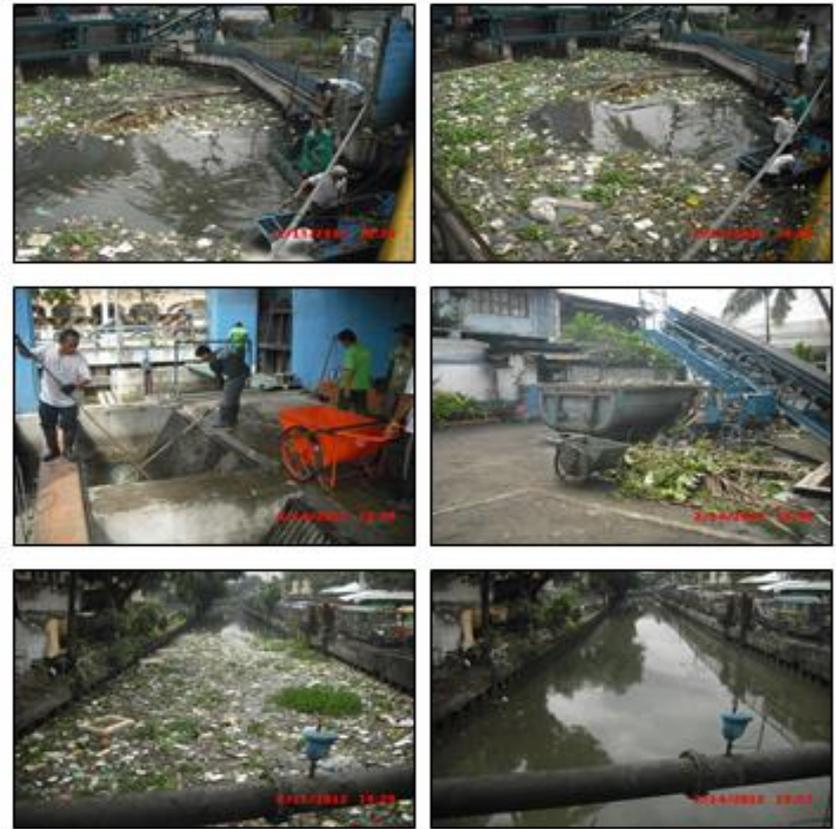


# Estero Blitz II



ESTERO DE KABULUSAN, JUAN LUNA, TONDO, MANILA

ESTERO DE PANDACAN, PANDACAN PUMPING STATION, JESUS ST., MANILA



REMOVAL/HAULING/DISPOSAL OF FLOATING GARBAGE

REMOVAL/HAULING & DISPOSAL OF FLOATING GARBAGE



# Estero Blitz II



ESTERO TRIPA DE GALLINA, ARELLANO ST.,  
MAKATI CITY



DREDGING/HAULING & DISPOSAL OF  
SPOILS

NICANOR ZAMORA & JUAN LUNA STS.,  
TONDO, MANILA



DECLOGGING OF DRAINAGE SYSTEM  
USING SRECO, VACUUM TRUCK & SEWER  
JET

# Estero Blitz II

Estero de Valencia  
Sta. Mesa, Manila



Estero de Vitas  
Tondo, Manila





# Estero Blitz II



## FEBRUARY 6-MARCH 30, 2012 VOLUME OF SILTS/GARBAGE COLLECTED/DISPOSED

DATE	NO. OF LGU	NO. OF WATERWAY	NO. OF TRUCKLOAD	VOLUME
FEBRUARY 6-29	6	18	580	3,742
MARCH 8-30	8	18	302	2,274
<b>TOTAL</b>		<b>36</b>	<b>882</b>	<b>6,016</b>

## SUMMARY OF TEACH-IN SEMINAR FEBRUARY 6-MARCH 30, 2012

PERIOD	NO. OF ESTEROS	NO. OF DAYS	NO. OF LGU	NO. OF BRGY.	NO. OF SESSIONS	PARTICIPANTS		
						CHILDREN	ADULTS	TOTAL
<b>TOTAL</b>	<b>36</b>	<b>34</b>	<b>14</b>	<b>75</b>	<b>790</b>	<b>3,567</b>	<b>4,357</b>	



# Challenges

- **Sustainability of the clean-up programs for rivers, esteros and creeks**
- **Commitment of the Resident Communities and LGUs/Barangays**
- **Active participation of other government agencies**
- **Involvement of the private sectors, civic groups, etc.**



# Way Forward

- **Operations of the MMDA Flood Control Information Center (FCIC)**
- **MMDA-DPWH joint responsibility and initiatives in the implementation of flood control projects**
- **Inter-agency approach coupled with partnerships with the private sector in riverfront redevelopment such as the PRRC Pasig River Rehabilitation Program 2011-2016**



**THANK YOU!**